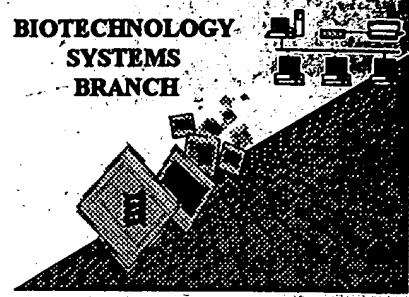


Partner

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



# **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/252,691A  
Art Unit / Team No. : 1641  
Date Processed by STIC: 2/15/2000

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**MARK SPENCER 703-308-4212**

**BEST AVAILABLE COPY**

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/252,691A

DATE: 02/15/2000  
TIME: 12:44:31

Input Set: I252691A.RAW

This Raw Listing contains the General  
Information Section and those Sequences  
containing ERRORS.

Does Not Comply  
Corrected Diskette Needed

1 <110> Keith G. Weinstock et al.  
2 <120> NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROBACTER  
3 CLOACAE FOR DIAGNOSTICS AND THERAPEUTICS  
4 <130> 107196.135  
5 <140> US/09/252,691A  
6 <141> 1999-02-18  
7 <160> 11324

ERRORED SEQUENCES FOLLOW

8 <210> 5668  
9 <211> 224  
10 <212> PRT  
11 <213> Enterobacter cloacae  
12 <400> 5668

*next page*

13	Pro	Leu	Pro	Leu	Ser	Trp	Gln	Ser	Val	Val	Lys	Thr	Ser	Ala	Thr	Phe
14	1				5					10					15	
15	Phe	Thr	Asn	Ile	Thr	Leu	Gly	Lys	Leu	Ser	Leu	Leu	Phe	Leu	Ala	Leu
16				20					25					30		
17	Gly	Val	Ala	Tyr	Ala	Ala	Ile	Arg	Arg	Thr	Leu	Leu	Ile	Val	Tyr	Pro
18			35					40					45			
19	Pro	Ile	Leu	Ser	Asp	Gly	Leu	Phe	Asn	Phe	Val	Val	Met	Gln	Thr	Leu
20		50					55					60				
21	Phe	Tyr	Ile	Pro	Phe	Phe	Leu	Ile	Gly	Ala	Leu	Ala	Phe	Ile	His	Pro
22	65					70					75				80	
23	Arg	Leu	Lys	Ala	Leu	Phe	Thr	Thr	Pro	Ser	Pro	Trp	Cys	Ala	Val	Gly
24				85						90					95	
25	Ala	Ala	Leu	Ala	Phe	Ala	Ala	Tyr	Leu	Leu	Asn	Gln	Arg	Tyr	Gly	Ser
26			100						105					110		
27	Gly	Asp	Ala	Trp	Met	Tyr	Glu	Thr	Glu	Ser	Val	Ile	Thr	Met	Leu	Met
28			115					120					125			
29	Gly	Leu	Trp	Met	Val	Asn	Val	Val	Phe	Ala	Leu	Gly	His	Arg	Leu	Leu
30		130					135					140				
31	Asn	Phe	Lys	Ser	Ser	Arg	Val	Thr	Tyr	Phe	Val	Asn	Ala	Ser	Leu	Phe
32	145					150					155				160	
33	Ile	Tyr	Leu	Val	His	His	Pro	Leu	Thr	Leu	Phe	Phe	Gly	Ala	Tyr	Ile
34				165						170					175	
35	Thr	Pro	His	Ile	Ala	Ser	Asn	Ala	Leu	Gly	Phe	Phe	Thr	Gly	Leu	Val
36			180						185					190		
37	Phe	Val	Val	Gly	Ile	Ala	Ile	Val	Leu	Tyr	Glu	Ile	His	Leu	Arg	Ile
38			195					200					205			
39	Pro	Leu	Leu	Arg	Phe	Leu	Phe	Ser	Gly	Lys	Pro	Gln	Val	Lys	Ala	Gly

PAGE: 2

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/252,691ADATE: 02/15/2000  
TIME: 12:44:31

Input Set: I252691A.RAW

40  
 E--> 41 <sup>210</sup> <sup>215</sup> <sup>220</sup>  
 42 <210> 5671  
 43 <211> 334  
 44 <212> PRT  
 45 <213> Enterobacter cloacae  
 46 <220>  
 47 <221> UNSURE  
 48 <222> (333)  
 49 <400> 5671  
 50 Met Ala Asn Tyr Thr Val Asp Glu Phe Ile Ile Gln Leu Gly Phe  
 51 1 5 10 15  
 52 Glu Thr Val Ser Lys Asn Leu Gln Lys Leu Glu Ser Arg Thr Leu  
 53 20 25 30  
 54 Val Ala Glu Arg Ile Glu Lys Asn Leu Asn Arg Ala Phe Thr Pro  
 55 35 40 45  
 56 Gly Asp Phe Gly Arg Val Ile Ser Ser Ala Asn Asn Ala Ser Lys  
 57 50 55 60  
 58 Ile Asn Arg Ala Phe Ser Lys Ser Met Asn Phe Asp Glu Ala Gly  
 59 65 70 75  
 60 Ser Ser Val Lys Ser Val Glu Asn Ala Ala Lys Ala Ser Ala Lys  
 61 85 90 95  
 62 Ile Lys Asp Met Tyr Gln Asp Ala Tyr Gly Ala Lys Gly Lys Gly  
 63 100 105 110  
 64 Ser Asn Pro Pro Ala Ala Gly Lys Pro Gln Gly Arg Gly Ser Asp  
 65 115 120 125  
 66 Thr Ala Ala Asn Ser Ile Arg Ser Leu Ala Asn Thr Gln Phe Tyr  
 67 130 135 140  
 68 Asn Leu Thr Arg Arg Leu Glu Gly Met Gly Ser Thr Gly Gln Ala  
 69 145 150 155  
 70 Ala Met Lys Leu Arg Gln Gln Val His Gly Leu Arg Asp Asp Ala  
 71 165 170 175  
 72 Ala Asn Pro Ser Ala Ser Leu Asn Gln Phe Arg Leu Ala Leu Arg  
 73 180 185 190  
 74 Ala Thr Asp Ser Ala Ser Lys Trp Ala Ser Gln Asn Arg Lys Gln  
 75 195 200 205  
 76 Ser Asn Ala Glu Gly Leu Ser Ser Ser Phe Gly Arg Leu Val Ser  
 77 210 215 220  
 78 Ser Ala Ala Leu Tyr Gly Thr Phe Glu Ala Val Arg Lys Val Val  
 79 225 230 235  
 80 Thr Gly Val Ala Arg Glu Gly Val Asn Leu Ser Ala Glu Ala Val  
 81 245 250 255  
 82 Lys Gly Gln Ser Lys Asn Ala Lys Thr Phe Ala Ala Gln Phe Ser  
 83 260 265 270  
 84 Gln Ile Gly Gln Gly Val Thr Glu Thr Leu Lys Gln Tyr Thr Gly  
 85 275 280 285  
 86 Ala Ala Gly Ala Gln Asn Ser Leu Gly Tyr Gln Gly Thr Gln Asp  
 87 290 295 300  
 88 Tyr Lys Asn Ala Ala Val Phe Gly Arg Ile Arg Gly Leu Asp Ala

225 delete - do not show numbers that are not used - otherwise  
 they are considered  
 errored  
 see  
 next page  
 (- please  
 ignore  
 missing  
 ending  
 amino acids.  
 This is  
 due to  
 error on  
 next page.

PAGE: 3

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/252,691A

DATE: 02/15/2000  
TIME: 12:44:31

Input Set: I252691A.RAW

89 305 310 315 320  
W--> OK 90 Gln Arg Thr Gly Ile Met Ile Phe Thr Ser Arg Ala Xaa  
E--> 91 325 330 335 *delete*

92 <210> 5687  
93 <211> 79  
94 <212> PRT  
95 <213> Enterobacter cloacae  
96 <400> 5687  
97 Leu Ile Asp Gln Pro Val Lys Val Thr Thr Glu Pro Asp Gly Ser  
98 1 5 10 15  
99 Trp Val Glu Val His Glu Pro Leu Ser Arg Asn Arg Ala Glu Phe  
100 20 25 30  
101 Ser Thr Asn Lys Val Pro Leu Pro Ile Ser Ala Ala Gln Arg Thr  
102 35 40 45  
103 Leu Ile Ser Glu Gly Ala Gly Ala Glu Leu Glu Arg Arg Ser Gly  
104 50 55 60  
105 Pro Val Lys Leu Ala Met Thr Gly Ser Ala Ser Leu Ala Gly  
E--> 106 65 70 75 80 *delete*

107 <210> 5696  
108 <211> 199  
109 <212> PRT  
110 <213> Enterobacter cloacae  
111 <400> 5696  
112 Gln Arg Asn Tyr Gln Val Ile Trp Ser Ser Thr Met Ala Lys Leu  
113 1 5 10 15  
114 Asp Tyr Tyr Lys Asp Glu Val Val Asn Lys Leu Met Thr Glu Phe  
115 20 25 30  
116 Tyr Asn Ser Val Met Gln Val Pro Arg Val Glu Lys Ile Thr Leu  
117 35 40 45  
118 Met Gly Val Gly Glu Ala Ile Ala Asp Lys Lys Leu Leu Asp Asn  
119 50 55 60  
120 Ala Ala Asp Leu Thr Ala Ile Ser Gly Gln Lys Pro Leu Ile Thr  
121 65 70 75 80  
122 Ala Arg Lys Ser Val Ala Gly Phe Lys Ile Arg Gln Gly Tyr Pro  
123 85 90 95  
124 Gly Cys Lys Val Thr Leu Arg Gly Glu Arg Met Trp Glu Phe Leu  
125 100 105 110  
126 Arg Leu Ile Thr Ile Ala Val Pro Arg Ile Arg Asp Phe Arg Gly  
127 115 120 125  
128 Ser Ala Lys Ser Phe Asp Gly Arg Gly Asn Tyr Ser Met Gly Val  
129 130 135 140  
130 Glu Gln Ile Ile Phe Pro Glu Ile Asp Tyr Asp Lys Val Asp Arg  
131 145 150 155 160  
132 Arg Gly Leu Asp Ile Thr Ile Thr Thr Thr Gly Lys Ser Asp Glu  
133 165 170 175  
134 Gly Arg Ala Leu Leu Ala Ala Phe Glu Phe Pro Val Pro Gln Val  
135 180 185 190  
136 Val Arg Phe Thr Glu Met

*next page*

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/252,691A

DATE: 02/15/2000

TIME: 12:44:31

Input Set: I252691A.RAW

E--&gt; 137

195

200

*delete*

138 <210> 5711  
 139 <211> 184  
 140 <212> PRT  
 141 <213> Enterobacter cloacae  
 142 <220>  
 143 <221> UNSURE  
 144 <222> (165)  
 145 <400> 5711  
 146 Lys Leu Tyr Ala Arg Glu Ala Phe Met Pro Arg Arg Gln Ile Leu  
 147 1 5 10 15  
 148 Ser Glu Glu Gln Glu Arg Leu Leu Val Ile Pro Asp Asp Glu Ile  
 149 20 25 30  
 150 Leu Thr Arg Met Cys Phe Leu Asn Glu Pro Asp Ile Ala Leu Ile  
 151 35 40 45  
 152 Lys His Arg Arg Pro Ala Asn Arg Leu Gly Phe Ala Val Leu Leu  
 153 50 55 60  
 154 Tyr Leu Arg Gly Pro Gly Phe Ile Pro Asp Lys Ser Ser Ala Pro  
 155 65 70 75 80  
 156 Asn Gly Val Val Ser Arg Val Ala Ser Arg Leu Lys Leu Gln Pro  
 157 85 90 95  
 158 Leu Trp Pro Glu Tyr Ala Ser Arg Glu Gln Thr Arg Trp Glu His  
 159 100 105 110  
 160 Thr Glu Leu Tyr Arg Tyr Leu Glu Leu Ser Pro Phe Ser Arg Ser  
 161 115 120 125  
 162 Gln Lys Glu Cys Ile Arg His Leu Gln Pro Tyr Ala Met Arg Thr  
 163 130 135 140  
 164 Lys Arg Phe Met Leu Ala Gly Arg Asn Ala His Leu Gly Tyr Ile  
 165 145 150 155 160  
 W-->OK 166 Asn Asn Val Tyr Xaa Pro Leu Leu Leu Lys Val Ile Gln Thr Asp  
 167 165 170 175  
 168 Leu Pro Lys Ser Phe Thr Leu  
 E--> 169 180

185 *delete*

170 <210> 5726  
 171 <211> 254  
 172 <212> PRT  
 173 <213> Enterobacter cloacae  
 174 <220>  
 175 <221> UNSURE  
 176 <222> (253)  
 177 <400> 5726  
 178 Thr Ala Pro Val His Ser Gly Ala Val Leu Thr Phe Leu Lys Thr  
 179 1 5 10 15  
 180 Arg Lys Arg Arg Tyr Phe Glu Phe Tyr Glu Ala Ser Asn Met Val  
 181 20 25 30  
 182 Val Val Ala Leu Val Gly Arg Pro Asn Val Gly Lys Ser Thr Leu  
 183 35 40 45  
 184 Asn Arg Leu Thr Arg Thr Arg Asp Ala Leu Val Ala Asp Phe Pro

PAGE: 5

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/252,691ADATE: 02/15/2000  
TIME: 12:44:31

Input Set: I252691A.RAW

185	50	55	60	
186	Leu Thr Arg Asp Arg Lys Tyr Gly Arg Ala Glu Val Glu Gly Arg			
187	65	70	75	80
188	Phe Ile Cys Ile Asp Thr Gly Gly Ile Asp Gly Thr Glu Asp Gly			
189		85	90	95
190	Glu Thr Arg Met Ala Glu Gln Ser Leu Leu Ala Ile Glu Glu Ala			
191		100	105	110
192	Val Val Leu Phe Met Val Asp Ala Arg Ala Gly Leu Met Pro Ala			
193		115	120	125
194	Ser Ala Ile Ala Lys His Leu Arg Ser Arg Glu Lys Pro Thr Phe			
195		130	135	140
196	Val Ala Asn Lys Thr Asp Gly Ile Asp Ala Asp Gln Ala Ile Ala			
197		145	150	155
198	Phe Trp Ser Leu Gly Leu Gly Asp Ile Tyr Pro Ile Ala Ala Ser			160
199		165	170	175
200	Gly Arg Gly Val Thr Ser Leu Leu Glu Thr Val Leu Leu Pro Trp			
201		180	185	190
202	Asp Glu Val Asn Pro Pro Glu Glu Val Asp Glu Asp Ala Glu Tyr			
203		195	200	205
204	Ala Gln Phe Glu Ala Gly Glu Glu Gly Glu Glu Glu Pro Glu Asp			
205		210	215	220
206	Phe Asn Pro Gln Asp Leu Pro Ile Lys Leu Ala Ile Val Gly Arg			
207		225	230	235
W-->OK 208	Asn Val Gly Lys Ser Thr Leu Thr Asn Arg Ile Phe Xaa			240
E--> 209		245	250	255

delete

210	<210>	5730
211	<211>	119
212	<212>	PRT
213	<213>	Enterobacter cloacae
214	<400>	5730
215	Ser Cys Leu Phe Leu Cys Phe Phe Cys Pro Phe Met Leu Ile Ile	
216	1	5
217	Asn Thr Met Cys Val Ile Ile Ile Ala Thr Glu Leu Glu Lys Arg	
218		20
219	Ile Met Lys Asn Val Leu Ser Leu Ser Leu Leu Leu Phe Ile Ser	
220		35
221	Gly Tyr Ala Ala Ser Glu Val Thr Tyr Leu Asn Pro Thr Pro Gln	
222		50
223	Ala Val Arg Ile Gly Glu Val Ser Phe Phe Lys Ala Gly Ser Ala	
224		65
225	Gln Ser Glu Val Ile Gly Ser Leu Ser Lys Lys Ala Asp Ser Leu	
226		85
227	Gly Thr His Phe Glu Ile Ser Ser Leu Asn Ser Ser Asp Asn Thr	
228		100
229	Ala Thr Ala Ile Val Tyr	
E--> 230		115

120

delete

The error shown in these pages are global. Due to size of listing, only these page shown as sample of the error. Please delete all amino acid numbers that do not

231 &lt;210&gt; 5736

232 &lt;211&gt; 419

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

1991

have a corresponding amino acid